

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M116303
Date Received: 04/26/07
Date Extracted: 04/30/07
Date Analyzed: 05/02/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M116303
Lab ID: 704320-01 x100
Data File: 704320-01 x100.050
Instrument: ICPMS1
Operator: hr

| | | | |
|--------------------|-------------|--------------|--------------|
| Internal Standard: | % Recovery: | Lower Limit: | Upper Limit: |
| Germanium | 94 | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|-------|
| Chromium | 1,610 |
| Nickel | 1,290 |
| Copper | 439 |
| Zinc | <100 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

| | | | |
|-----------------|----------------|-------------|---------------------------------|
| Client ID: | Method Blank | Client: | Alaskan Copper Works |
| Date Received: | Not Applicable | Project: | Metro Self Monitor, PO# M116303 |
| Date Extracted: | 04/30/07 | Lab ID: | I7-156 mb |
| Date Analyzed: | 04/30/07 | Data File: | I7-156 mb.072 |
| Matrix: | Water | Instrument: | ICPMS1 |
| Units: | ug/L (ppb) | Operator: | hr |

| | | | |
|--------------------|-------------|--------|--------|
| Internal Standard: | % Recovery: | Lower | Upper |
| Germanium | 92 | Limit: | Limit: |
| | | 60 | 125 |

| Analyte: | Concentration ug/L (ppb) |
|----------|-----------------------------|
|----------|-----------------------------|

| | |
|----------|----|
| Chromium | <1 |
| Nickel | <1 |
| Copper | <1 |
| Zinc | <1 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/08/07

Date Received: 04/26/07

Project: Metro Self Monitor, PO# M116303, F&BI 704320

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS
USING EPA METHOD 200.8**

Laboratory Code: 704326-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | Acceptance Criteria |
|----------|-----------------|---------------|------------------|-----------------------------|---------------------|
| Chromium | ug/L (ppb) | 3.87 | 4.68 | 19 | 0-20 |
| Nickel | ug/L (ppb) | 3.37 | 3.72 | 10 | 0-20 |
| Copper | ug/L (ppb) | 59.2 | 60.9 | 3 | 0-20 |
| Zinc | ug/L (ppb) | 204 | 209 | 2 | 0-20 |

Laboratory Code: 704326-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|----------|-----------------|-------------|---------------|---------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 3.87 | 105 | 50-150 |
| Nickel | ug/L (ppb) | 20 | 3.37 | 97 | 50-150 |
| Copper | ug/L (ppb) | 20 | 59.2 | 94 b | 50-150 |
| Zinc | ug/L (ppb) | 50 | 204 | 93 b | 50-150 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------------|---------------------|
| Chromium | ug/L (ppb) | 20 | 99 | 70-130 |
| Nickel | ug/L (ppb) | 20 | 98 | 70-130 |
| Copper | ug/L (ppb) | 20 | 93 | 70-130 |
| Zinc | ug/L (ppb) | 50 | 89 | 70-130 |

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 8, 2007

DUPLICATE

INVOICE #07ACU0508-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M116303, F&BI 704320 - Results of testing
requested by Gerry Thompson for material submitted on April 26, 2007.

| | |
|--|--------------|
| 1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample | \$ 80.00 |
| Rush Charges (4 day) 60% of \$80.00 | <u>48.00</u> |
| Amount Due | \$ 128.00 |

FEDERAL TAX ID # (b) (6)

SAMPLE CHAIN OF CUSTODY

ME 04/26/07

AI4

704320

Send Report to:

Company ALASKAN Copper Works

Address 628 S HANFORD ST

City, State, ZIP SEATTLE WA 98134

Phone # 206-571-6033 Fax # 206-382-4309

SAMPLERS (signature) [Signature]

Page # 1 of 1

PROJECT NAME/NO.

METRO SELF Monitor

PO #

m116303

TURNAROUND TIME

☐ Standard (2 Weeks)

☒ RUSH 7 day

Rush charges authorized by:

REMARKS

Please Fax Results

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-----------|--------|---------|-------|-------------|--------------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--------------|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| M116303 | 01 | 4/26/07 | 12:30 | H2O | 1 | | | | | | | | 1 C&C, 15 in | | | | | |
| | | | | | | | | | | | | | | | | | | |
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Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

COMPANY

DATE

TIME

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G Thompson

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ACW

FBI

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4/26/07

4/26/07

4/26/07

4/26/07

1:03

1:03

1:03

1:03

Samples received at 21 °C

AKC-0006928

FRIEDMAN & BRUYA, INC.

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May 8, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 26, 2007 from the Metro Self Monitor, PO# M116303, F&BI 704320 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0508R.DOC